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**Mein Zeichen:** Exkursion Peenetal 25.03.11

**Datum:** 14. März 2011

**Betreff:** Exkursion Peenetal am 25.03.2011 im Rahmen Ihrer Tagung in Greifswald

### *Programme scheduule*

8:30	departure Greifswald ( <b>Majuwi – Maritimes Jugenddorf Wieck</b> )
9:15	arrival Gützkow-Liebenthal
9-15 – 11:15	excursion meadows west of Gützkow (be prepared for a 2 * 30 min foot march)
11:15 – 12:00	transfer to Randow
12:00 – 12:30	excursion Polder Rustow-Randow
12:30 – 13:30	transfer to Polder Brudersdorf (eat packed lunch in bus) There is the possibility to be dropped at the railway station of Demmin (ca. 13:00)
13:30 – 15:00	excursion Polder Brudersdorf
15:00	departure to Greifswald There is the possibility to be dropped at the railway station of Demmin (ca. 15:30)
ca. 16:15	arrival Greifswald

**!! Please bring water-tight foot wear (wellington boots) !!**

### *Peenewiesen near Gützkow*

Here we find a nearly intact hydrological system as it must have been all over the Peene-valley in times before the big human impact. It is a percolating mire fed by base-rich, calcareous groundwater. The stable groundwater conditions results in very species-rich meadows, from a floristical as well from an entomological point of view. There is a very well developed gradient from the valley margin (strictly groundwater fed, mesotrophic) towards the Peene (increased flooding, eutrophic). All in all it is one of the best preserved calcareous fens in Western Europe with a very high biodiversity. The management of this, also from a cultural history point of view, interesting fen landscape is a mosaic-management supported by rewetting measures.

### ***Polder Rustow-Randow***

The development of this since 1999/2000 rewetted, degraded "fen-polder" (310 ha) towards a peat-forming flood-mire is a process in several steps. The water tables are being set up artificially (dikes and pumping station still existent) in three phases until the level of the river Peene is reached. This project also shows how the planning and construction of the new motorway A-20 was affected by the European Bird-Directive as well as the Fauna-Flora-Directive. At present we see a nature reserve rich in different structures such as sedge-swamps, flood-meadows, open water, reeds and willow-shrubs. It is already inhabited by Otter, Beaver, Bittern, White-tailed Eagle, Osprey, Marsh Harrier, Black Tern, Whiskered Tern, Tern, Lapwing, Bluethroat, Snipe, Penduline Tit, Moor Frog, and Tree Frog.

### ***Polder Brudersdorf***

This polder (300 ha) is situated in the lower part of the river Trebel. It was rewetted in 2006 within the framework of the peat conservation strategy of Mecklenburg-Vorpommern (Moorschutzprogramm) by tearing down the pumping station, creating a defined overflow in the dike along the Trebel river, and blocking ditches. Since then there are several problems concerning the restoration measures. The dike was manipulated and several blocked ditches were dug open. This causes strong oscillating water levels in the polder, resulting in repeating cycles of drying off and flooding of large parts of the polder. This leads to high nutrient dynamics and a suboptimal vegetation development. Situated in the middle of the polder is an experimental plot of the research project ALNUS. The project studied environmental and economic aspects of alder plantation on rewetted degraded fen soils. The experimental plot was established in autumn 2002 to test planting techniques ([www.uni-greifswald.de/~alnus/](http://www.uni-greifswald.de/~alnus/)).

### ***Who is Kees Vegelin?***

A Dutchman born 1967, who completed his study as an agricultural engineer before switching to plant ecology at the University of Groningen. After finishing this study 1993 he started working as a landscape ecologist at the University of Greifswald with Prof. Succow with a special focus on peatlands. Until 1999 the main topic of his work at the Botanical Institute was the restoration of valley fens. Since 2000 he works as a free-lance landscape ecologist with his my main focus staying unchanged, the restoration of peatlands. Besides, as part of Aquila Nature ([www.aquila-naturreisen.de](http://www.aquila-naturreisen.de)) - the small travel company of his wife, who is also an ecologist - he organises and guides study trips and excursions for (international) governmental and non-governmental nature conservation organisations (themes: restoration and management of peatlands, Nature 2000, EU Water Directive). From 1999 to 2011 he was president of the Society for the Protection of the Peene valley ([www.naturschutz-peenetal.de](http://www.naturschutz-peenetal.de)) and member of the board of the nature conservation project "Peene valley landscape" ([www.peenetal-landschaft.de](http://www.peenetal-landschaft.de)).